

N THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:)
Takeshi NAKAMURA)
Application No.: 10/830,221)
Filed: 04/23/04)

Title: RECORDING APPARATUS AND RECORDING CONTROL METHOD

Commissioner for Patents U.S. Patent and Trademark Office Alexandria, VA 22314

Sir:

CHANGE OF CORRESPONDENCE ADDRESS

Please enter the correspondence address of this application as:

Customer Number 55694

A new power of attorney appointing the undersigned is being filed concurrently herewith. If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

By:

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: January 18, 2006

Peter J. Sistare

Registration No. 48,183

CUSTOMER NO. 55694 DRINKER, BIDDLE & REATH LLP

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PATENT ATTORNEY DOCKET NO. 041465-5225

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Sir:

SUBMISSION OF REVOCATION OF ORIGINAL POWER OF ATTORNEY AND GRANT OF NEW POWER OF ATTORNEY

Enclosed is a copy of the Revocation of Original Power of Attorney and Grant of New Power of Attorney by the Assignee.

By:

If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

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CUSTOMER NO. 55694 DRINKER, BIDDLE & REATH LLP

1500 K Street, N.W., Suite 1100 Washington, D.C. 20005-1209

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Assignee: PIONEER CORPORATION

Commissioner for Patents Washington, D.C. 20231

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), PIONEER CORPORATION, a Japanese corporation, certifies that it is an assignce of the patent applications and issued patents identified in the following chart by virtue of respective Assignment documents for each listed application and patent from the inventor(s) to PIONEER CORPORATION submitted to the U.S. Patent and Trademark Office. The dates on which the assignments were submitted and the reel/frame numbers at which the assignments were recorded are indicated in the chart below when known.

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
05/23/95	041465-0002	08/450,952	5,697,080	12/09/97	07/06/95; 7545/0112
11/02/94	041465-5003	08/333,326	5,600,615	02/04/97	11/02/94; 7191/0280
10/13/95	041465-5004	08/543,083	5,734,631	03/31/98	10/13/95: 7837/0471
02/01/96	041465-5007	08/595,196	5,757,742	05/26/98	02/01/96; 7861/0266
03/26/98	041465-5007-01	09/048,217	5,910,937	06/08/99	02/01/96; 7861/0266
03/06/96	041465-5008-01	08/611,753	5,892,748	04/06/99	03/06/96;7913/0363
03/29/96	041465-5009	08/623,821	5,703,864	12/30/97	03/29/96; 7939/0077
06/27/96	041465-5012	08/670,533	5,886,965	03/23/99	06/27/96; 8071/0759
06/28/96	041465-5013	08/671,652	5,758,008	05/26/98	06/28/96; 8068/0555
07/02/96	041465-5014	08/677,452	5,636,186	06/03/97	07/02/96; 8082/0131
07/03/96	041465-5015	08/675,016	5,892,983	04/06/99	07/03/96; 8087/0944
07/09/96	041465-5016	08/677,196	5,787,222	07/28/98	07/09/96; 8107/0515
06/02/98	041465-5016-01	09/088,379	6,160,951	12/12/00	07/09/96; 8107/0515
01/12/99	041465-5017-01	08/747,666	5,978,347	11/02/99	11/12/96; 8314/0092
08/18/99	041465-5017-02	09/376,295	6,175,545	01/16/01	11/12/96; 8314/0092
11/13/96	041465-5018	08/748,029	5,729,522	03/17/98	11/12/96; 8315/0887
01/30/97	041465-5019	08/791,316	5,886,970	03/23/99	10/10/97; 8743/0042
04/26/00	041465-5020-01	08/806,458	6,236,804	05/22/01	09/30/97; 8757/0863
04/02/01	041465-5020-02	09/822,259	6,741,797	05/25/04	09/30/97; 8757/0863

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Issue Date Recordation Info. Application Patent No. Filing Attorncy (if applicable) Date; Reel/Frame (if applicable) Docket No. Date No. 09/30/97; 8757/0863 03/27/02 041465-5020-03 10/106,355 09/30/97; 8757/0818 08/806,459 6,006,004 12/21/99 041465-5021 02/26/97 09/404,765 06/26/01 09/30/97; 8757/0818 041465-5021-01 6,253,018 09/24/99 09/30/97; 8757/0818 09/780,384 05/28/02 02/12/01 041465-5021-02 6,396,997 09/30/97; 8757/0818 041465-5021-03 10/101,333 03/20/02 03/14/97 041465-5022 08/816,941 6,085,021 07/04/00 03/14/97; 8590/0393 08/22/00 07/17/97; 8618/0444 041465-5023 08/812,882 6,108.486 03/06/97 09/28/99 08/25/97; 8675/0804 08/815.184 03/11/97 041465-5024 5,960,152 03/13/97; 8440/0330 08/816,686 6,148,138 11/14/00 3/13/97 041465-5025 03/17/98 03/11/97; 8440/0113 03/11/97 041465-5026 08/815,162 5,729,516 02/29/00 03/13/97; 8457/0610 041465-5027-01 08/815,956 6,031,962 09/29/98 08/27/03; 14441/0983 08/03/99 03/13/97 041465-5028 08/816,889 5,933,569 08/819,861 09/08/98 09/05/97; 8696/0064 03/17/97 041465-5029 5,805,537 03/18/97; 8462/0522 04/13/99 041465-5030-02 08/820,257 6,104,684 08/15/00 06/29/04 03/18/97; 8462/0522 09/559,971 04/28/00 041465-5030-03 6,757,483 03/18/97; 8462/0522 10/858,268 06/02/04 041465-5030-04 07/18/00 09/30/97; 8757/0845 03/17/97 041465-5031 08/822,157 6,091,674 03/17/97; 8453/0647 08/819,012 6,157,769 12/05/00 03/17/97 041465-5032 6,501,903 12/31/02 12/09/03; 14178/0529 041465-5032-01 09/639,887 08/17/00 12/09/03; 14178/0529 05/29/02 041465-5032-02 10/156,393 03/17/97; 8453/0640 01/11/00 08/819,011 6,014,495 03/17/97 041465-5033 08/17/04 03/17/97; 8453/0640 6,778,761 041465-5033-01 09/452,889 12/02/99 03/28/02; 12713/0974 10/606,831 06/27/03 041465-5034-03 03/18/97; 8462/0495 10/12/99 041465-5035 03/18/97 08/820,256 5,966,352 03/20/97; 9333/0261 08/825,560 5,889,746 03/30/99 03/20/97 041465-5036 03/21/97; 8476/0385 10/24/00 08/821,424 6,137,954 03/21/97 041465-5037 04/03/01 03/21/97; 8465/0613 08/30/00 6,212,330 041465-5038-01 08/822,457 03/21/97; 8536/0356 04/21/98 041465-5039 08/821,920 5,742,569 03/21/97 09/05/97; 8696/0061 07/11/00 6,088,506 041465-5040 08/831,716 04/01/97 09/05/97; 8696/0061 6,266,478 07/24/01 11/15/99 041465-5040-01 09/440,290 09/05/97; 8696/0061 05/20/03 05/23/01 041465-5040-02 09/862,457 6,567,612 09/05/97; 8696/0061 10/427,970 05/02/03 041465-5040-03 04/10/01 09/12/97; 8696/0128 08/834,806 6,215,952 10/12/99 041465-5041-01 09/12/97; 8696/0128 05/23/01 041465-5041-02 09/731,653

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Assignee: PIONEER CORPORATION

Page: 3

Application Patent No. **Issue Date** Recordation Info. Filing Attorney (if applicable) (if applicable) Date; Reel/Frame Docket No. Date No. 5,936,925 04/07/97 041465-5042 08/833,476 08/10/99 01/26/98; 9093/0410 06/20/97; 8661/0104 08/879,969 6,058,087 05/02/00 06/20/97 041465-5043 08/897,033 08/07/01 07/18/97; 8696/0425 11/09/00 041465-5044-01 6,272,332 09/708,503 02/25/03 07/18/87; 8689/0425 11/09/00 041465-5044-02 6,526,285 041465-5045 08/905,044 5,896,353 04/20/99 08/01/97; 8737/0950 08/01/97 08/915,649 5,815,472 09/29/98 08/20/97; 8771/0962 08/20/97 041465-5046 08/916,326 06/29/99 08/22/97; 8774/0518 08/22/97 041465-5047 5,917,793 09/02/97; 8785/0322 09/02/97 041465-5048 08/921,460 5,985,792 11/16/99 041465-5049 09/060,961 6,104,019 08/15/00 04/16/98; 9106/0391 04/16/98 06/19/98 041465-5050 09/100,098 5,991,244 11/23/99 06/19/98; 9263/0379 09/129,420 6,094,638 07/25/00 08/05/98; 9369/0435 08/05/98 041465-5051 11/27/98 041465-5052 09/200,428 6,272,082 08/07/01 11/25/98; 9617/0643 05/28/02 07/25/01 041465-5052-01 09/911,788 6,396,781 11/25/98; 9617/0643 041465-5052-02 6,574,187 06/03/03 11/25/98; 9617/0643 04/09/02 10/118,234 11/25/98: 9617/0619 08/20/02 041465-5053-01 09/200,430 041465-5054 03/06/01 12/23/98; 9679/0182 12/23/98 09/219,778 6,198,085 09/233,423 01/14/03 01/20/99; 9713/0689 01/20/99 041465-5056 6,507,541 10/199,019 07/22/02 041465-5056-01 6,680,890 01/20/04 01/20/99; 9713/0689 02/18/99 09/251,740 6,212,141 04/03/01 02/18/99; 9784/0616 041465-5058 04/17/01 03/08/99; 9820/0553 03/08/99 041465-5059 09/263,851 6,219,309 04/15/03 03/08/99; 9820/0553 04/11/01 041465-5059-01 09/829,904 6,549,496 03/08/99; 9820/0553 02/28/03 041465-5059-02 10/375,009 03/16/99; 9828/0089 03/16/99 041465-5060 09/270,658 6,308,006 10/23/01 07/06/04 03/16/99; 9828/0089 08/31/01 041465-5060-01 09/942,584 6,760,540 041465-5060-02 10/851,327 03/16/99; 9828/0089 05/24/04 02/01/05 03/12/99; 9818/0136 03/12/99 041465-5061 09/266,780 6,850,690 09/10/02 03/18/99; 9837/0870 09/270,828 6,449,015 03/18/99 041465-5062 01/29/02 07/16/99; 10234/0058 03/19/99 041465-5063 09/271,990 6,343,055 02/22/05 04/09/99; 9894/0803 01/29/02 041465-5064-01 10/058,098 6,859,421 04/09/99; 9894/0803 02/03/04 07/24/02 041465-5064-02 09/288,641 6,687,211 01/05/05 041465-5064-03 11/028,863 04/09/99; 9894/0803 04/09/99; 9894/0747 04/09/99 041465-5065 09/288,643 04/09/99; 9894/0747 06/07/05 041465-5065-01 11/146,161 10/05/99; 10302/0737 10/05/99 041465-5067 09/412,309

Assignee: PJONEER CORPORATION

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Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Framc
10/28/99	041465-5068	09/428,943	6,442,111	08/27/02	10/28/99; 10353/0608
10/28/99	041465-5069	09/429,559	6,411,576	06/25/02	10/28/99; 10353/0406
10/29/99	041465-5070	09/429,615	6,381,206	04/30/02	10/29/99; 10459/0429
11/24/99	041465-5071	09/444,719	6,571,055	05/27/03	11/24/99; 10431/0851
11/23/99	041465-5072	09/447,416	6,577,589	06/10/03	11/23/99; 10432/0520
11/05/02	041465-5073-01	09/482,918	6,545,965	04/08/03	01/14/00; 10524/0952
01/24/00	041465-5075	09/490,870	6,272,105	08/07/01	01/24/00; 10585/0960
03/17/00	041465-5076	09/527,457	6,487,160	11/26/02	03/17/00; 10698/0247
04/14/00	041465-5077	09/550,078		·	
06/06/00	041465-5078	09/588,660	6,370,097	04/09/02	06/06/00; 10877/0939
12/27/99	041465-5079	09/472,504	6,879,771	04/12/05	12/27/99; 10502/0467
06/27/00	041465-5081	09/604,398			06/27/00; 10934/0044
06/30/00	041465-5082	09/608,962	6,674,706	01/06/04	06/30/00; 10975/0295
07/27/00	041465-5083	09/627,304			07/27/00; 11054/0149
08/17/00	041465-5084	09/639,888	6,546,258	04/08/03	08/17/00; 11054/0596
08/18/00	041465-5085	09/640,779	6,552,983	04/22/03	08/18/00; 11054/0811
09/08/00	041465-5086	09/658,877			09/18/00; 11328/0811
09/08/00	041465-5087	09/657,805	6,701,468	03/02/04	09/08/00; 11146/0366
09/28/00	041465-5088	09/617,112	6,345,033	02/05/02	09/28/00; 11209/0620
10/04/00	041465-5089	09/679,049			10/04/00; 11210/0377
10/13/00	041465-5090	09/689,825	6,434,091	08/13/02	10/13/00; 11282/0737
07/17/02	041465-5090-01	10/196.250	6,587,428	07/01/03	10/13/00; 11282/0737
10/27/00	041465-5091	09/697,738	6,560,174	05/06/03	10/27/00; 11266/0377
12/07/00	041465-5092	09/730,797	6,556,920	04/29/03	12/07/00; 11359/0649
12/13/00	041465-5093	09/734,678	6,876,922	04/05/05	12/13/00; 11362/0007
12/14/00	041465-5094	09/735,514	6,738,710	05/18/04	12/14/00; 11382/0687
12/22/00	041465-5095	09/742,328	6,516,269	02/04/03	12/22/00; 11406/0723
12/28/00	041465-5096	09/749,177	6,728,181	04/27/04	12/28/00; 11413/0666
02/28/01	041465-5097	09/794,115	6,556,302	04-29-03	02/28/01; 11578/0103
02/27/01	041465-5098	09/793,583	6,449,222	09/10/02	02/27/01; 11576/0534
03/01/01	041465-5099	09/795,346			03/01/01; 11584/0128
03/20/01	041465-5100	09/811,624	6,545,956	04/08/03	03/20/01; 11632/0090
03/14/01	041465-5101	09/805,361	6,781,637	08/24/04	03/14/01; 11631/0756
03/28/01	041465-5102	09/818,632			03/28/01; 11646/0731

Please correct the Serial Number to read "09/671, 112."

Assignee : PIONEER CORPORATION Page : 5

Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Recl/Frame
03/27/01	041465-5103	09/817,246			03/27/01; 11662/0358
03/27/01	041465-5104	09/817,245			03/27/01; 11662/0366
03/29/01	041465-5105	09/819,978	6,757,229	06/29/04	07/05/01; 11948/0188
04/03/01	041465-5106	09/823,980	6,724,703	04/20/04	04/03/01; 11678/0508
01/23/04	041465-5106-01	10/762,313			04/03/01; 11678/0508
04/04/01	041465-5107	09/824,717	6,885,773	04/26/05	04/04/01; 11677/0573
04/05/01	041465-5108	09/826,009			04/05/01; 11691/0098
04/20/01	041465-5109	09/838,259			04/20/01; 11734/0748
04/27/01	041465-5110	09/846,557	RE38602	09/28/04	06/24/96: 8079/0950
05/09/01	041465-5111	09/851,391			05/09/01; 11792/0359
06/27/01	041465-5112	09/891,470			06/27/01; 11941/0266
07/09/01	041465-5113	09/900,152	6,898,160	05/24/05	07/09/01; 11973/0809
07/25/01	041465-5114	09/911,424	6,813,237	11/02/04	07/25/01; 12019/0788
12/10/03	041465-5114-01	10/730,981			07/25/01; 12019/0788
08/08/01	041465-5115	09/924,055			
08/15/01	041465-5116	09/929,108			08/15/01; 12084/0016
08/15/01	041465-5117	09/929,109			08/15/01; 12084/0013
08/15/01	041465-5118	09/929,110			08/15/01; 12082/0907
09/14/01	041465-5119	09/951,437			09/14/01; 12173/0927
09/19/01	041465-5120	09/955,117	6,657,939	12/02/03	09/19/01; 12182/0825
09/19/01	041465-5121	09/955,239	6,804,187	10/12/04	09/19/01; 12181/0564
10/01/01	041465-5122	09/966,066			10/01/01; 12221/0632
10/02/01	041465-5123	09/968,502			10/02/01; 12226/0483
10/12/01	041465-5124	09/974,825	6,735,153	05/11/04	10/12/01; 12254/0764
02/17/04	041465-5124-01	10/778,213			10/12/01; 12254/0764
11/06/01	041465-5126	09/985,836		_	11/06/01; 12299/0153
11/23/01	041465-5128	09/990,372			11/23/01; 12321/0008
11/23/01	041465-5129	09/990,343			11/23/01; 12320/0875
08/10/04	041465-5129-01	10/914,267			11/23/01; 12320/0875
08/10/04	041465-5129-02	10/914,266			11/23/01; 12320/0875
08/10/04	041465-5129-03	10/914,186			11/23/01; 12320/0875
12/17/01	041465-5130	10/015,895			12/17/01; 12389/0133
12/26/01	041465-5131	10/025,809			12/26/01; 12397/0745
12/26/01	041465-5132	10/025,810	6,738,212	05/18/04	12/26/01; 12397/0885

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Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
01/10/02	041465-5133	10/041,473			01/10/02; 12460/0908
01/30/02	041465-5134	10/058,857	6,880,164	04/12/05	01/30/02; 12543/0972
10/29/04	041465-5134-01	10/975,549		<u> </u>	01/30/02; 12543/0972
10/29/04	041465-5134-02	10/975,421			01/30/02; 12543/0972
02/08/02	041465-5135	10/068,024			02/08/02; 12671/0504
02/08/02	041465-5136	10/067,770	6,839,313	01/04/05	02/08/02; 12578/0435
02/14/02	041465-5139	10/073,867			02/14/02; 12599/0077
02/19/02	041465-5140	10/076,602			02/19/02; 12620/0576
02/27/02	041465-5141	10/083,648	6,678,165	01/13/04	02/27/02; 12643/0297
10/20/03	041465-5141-01	10/687,704			02/27/02; 12643/0297
03/06/02	041465-5142	10/091,332			03/06/02; 12672/0990
03/12/02	041465-5143	10/094,621			03/12/02; 12694/0425
03/26/02	041465-5145	10/105,946			03/26/02; 12739/0388
04/10/02	041465-5146	10/119,117			04/10/02; 12791/0619
06/09/04	041465-5146-01	10/863,236			04/10/02; 12791/0619
04/17/02	041465-5147	10/123,884	6,690,574	02/10/04	04/17/02; 12812/0702
04/25/02	041465-5148	10/131,217			04/25/02; 12838/0574
05/02/02	041465-5149	10/136,445			08/01/02; 13217/0279
05/06/02	041465-5150	10/138,638	6,687,204	02/03/04	05/06/02; 12870/0965
05/06/02	041465-5151	10/138,779	6,907,611	06/14/05	05/06/02; 12869/0104
05/15/02	041465-5152	10/144,864	6,657,482	12/02/03	05/15/02; 12907/0301
05/16/02	041465-5153	10/145,812	6,621,436	09/16/03	05/16/02; 12907/0532
05/09/02	041465-5154	10/141,081	6,700,519	03/02/04	05/09/02; 12892/0022
06/26/02	041465-5155	10/179,890			06/26/02; 13058/0275
06/25/02	041465-5156	10/178,473			06/25/02; 13058/0214
06/25/02	041465-5157	10/178,729			06/25/02; 13058/0231
06/12/02	041465-5158	10/166,727			09/12/02; 13298/0004
06/12/02	041465-5159	10/166,718			09/12/02; 13294/0581
06/28/02	041465-5160	10/183,162	6,888,516	05/03/05	06/26/02; 13060/0921
06/26/02	041465-5161	10/179,889			06/26/02; 13058/0347
07/16/02	041465-5162	10/195,809			07/16/02; 13112/0820
09/03/02	041465-5164	10/233,113	6,804,590	10/12/04	09/03/02; 13263/0114
09/06/02	041465-5165	10/235,853			12/03/02; 13550/0712
09/11/02	041465-5166	10/238,619			09/11/02; 13281/0585

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Filing Date	Attorney Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
09/11/02	041465-5167	10/238,617			09/11/02; 13281/0519
09/24/02	041465-5168	10/252.571	6,822,210	11/23/04	09/24/02; 13322/0417
09/13/02	041465-5169	10/242,673			12/11/02; 13576/0043
09/26/02	041465-5170	10/254,766			09/26/02; 13337/0624
12/06/02	041465-5173	10/313.015			12/06/02; 13556/0595
01/10/03	041465-5174	10/339,664			06/09/03; 14158/0657
02/10/03	041465-5176	10/360,707			02/10/03; 13754/0739
02/27/03	041465-5177	10/374,093			02/27/03; 13829/0953
10/31/03	041465-5179	10/398,183	_		10/31/03; 14721/0153
03/30/05	041465-5179-01	11/092,827			10/31/03; 14721/0153
03/31/03	041465-5180	10/401,687			03/31/03; 13929/0488
04/08/03	041465-5181	10/408,279	6,937,547	08/30/05	04/08/03; 13969/0448
04/14/03	041465-5182	10/412,691			08/20/03; 14417/0092
04/16/03	041465-5183	10/414,312			04/16/03; 13978/0775
04/15/03	041465-5184	10/413,546			04/15/03; 13982/0028
04/16/03	041465-5185	10/413,999		· -	04/16/03; 13978/0779
04/16/03	041465-5186	10/414,503	6,781,526	08/24/04	09/17/03; 14508/0558
04/21/03	041465-5187	10/419,259			04/21/03; 13991/0038
05/19/03	041465-5188	10/440,326			05/19/03; 14104/0450
06/05/03	041465-5189	10/433,565			06/05/03; 14478/0119
06/20/03	041465-5190	10/465,893	6,873,275	03/29/05	06/20/03; 14211/0106
06/16/03	041465-5191	10/461,511	·		06/16/03; 14187/0504
06/24/03	041465-5192	10/602,033			06/24/03; 14228/0476
07/02/03	041465-5193	10/610,695			07/02/03; 14270/0624
07/17/03	041465-5194	10/620,802			12/02/03; 14750/0354
08/27/03	041465-5195	10/648,345			08/27/03; 14441/0983
08/26/03	041465-5196	10/647,589			08/26/03; 14430/0664
08/28/03	041465-5197	10/649,858			08/28/03; 14449/0435
08/29/03	041465-5198	10/650,996			08/29/03: 14471/0669
09/22/03	041465-5199	10/664,897			09/22/03; 14526/0282
09/16/03	041465-5200	10/662,387			09/16/03; 14514/0365
09/30/03	041465-5201	10/673,515			09/30/03; 14550/0442
10/07/03	041465-5202	10/679,430			11/19/02; 13503/0897
10/07/03	041465-5203	10/679,361	6,845,078	01/18/05	10/07/03; 14593/0813

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Filing	Attorney	Application	Patent No.	Issue Date	Recordation Info.
Date	Docket No.	No.	(if applicable)	(if applicable)	Date; Reel/Frame
10/15/03	041465-5204	10/686,283			10/15/03; 14618/0175
10/27/03	041465-5205	10/475,916			10/27/03; 15154/0840
10/15/03	041465-5206	10/684,500			10/15/03; 14614/0689
10/23/03	041465-5207	10/690,506			10/23/03; 14632/0387
10/24/03	041465-5208	10/691,709			10/24/03; 14633/0783
10/29/03	041465-5209	10/694,946			10/29/03; 14660/0609
05/21/99	041465-5210	09/315,980	6,889,002	05/03/05	08/13/99; 10165/0113
10/30/03	041465-5211	10/695,955			10/30/03; 14660/0472
11/17/03	041465-5212	10/713,038			11/17/03; 14712/0648
11/18/03	041465-5213	10/714,625			11/18/03; 14711/0312
12/02/03	041465-5214	10/724,626			12/02/03; 14767/0800
01/09/04	041465-5215	10/753,533			01/09/04; 14880/0142
01/09/04	041465-5216	10/753,450			01/09/04; 14888/0185
03/05/04	041465-5217	10/793,252			03/05/04; 15064/0475
02/23/04	041465-5218	10/782,868			02/23/04; 15013/0176
03/12/04	041465-5219	10/798,944			03/12/04; 15095/0032
04/15/04	041465-5220	10/824,589			10/21/04; 15222/0965
04/15/04	041465-5221	10/824,595			04/15/04; 15222/0972
04/07/04	041465-5222	10/819,106			04/07/04; 15189/0134
04/08/04	041465-5223	10/820,225			08/23/04; 15731/0147
05/07/04	041465-5224	10/840,257			05/07/04; 15307/0136
04/23/04	041465-5225	10/830,221			04/23/04; 15260/0754
05/07/04	041465-5226	10/840,479			05/07/04; 15316/0959
05/07/04	041465-5227	10/840,513			07/11/02; 13105/0660
05/12/04	041465-5228	10/495,216			05/12/04; 16128/0470
06/02/04	041465-5229	10/858,383			06/02/04; 15447/0777
07/23/04	041465-5230	10/896,883			07/23/04; 15616/0654
07/22/04	041465-5231	10/895,944			07/22/04; 15615/0967
07/23/04	041465-5232	10/896,878			07/23/04; 15616/0663
07/28/04	041465-5233	10/900,327			07/28/04; 15630/0331
07/28/04	041465-5234	10/900,328			07/28/04; 15631/0327
08/09/04	041465-5235	10/913,504			11/15/04; 15992/0207
08/09/04	041465-5236	10/913,492	 		11/15/02; 15992/0214
08/23/04	041465-5237	10/922,827			08/23/04; 15719/0015

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Filing Date	Attorncy Docket No.	Application No.	Patent No. (if applicable)	Issue Date (if applicable)	Recordation Info. Date; Reel/Frame
09/17/04	041465-5238	10/942,847			09/07/04; 15805/0136
08/27/04	041465-5239	10/927,527			11/19/04; 16008/0534
09/03/04	041465-5240	10/506,506			09/30/04; 16266/0320
09/03/04	041465-5241	10/506,515			09/03/04; 16294/0223
09/03/04	041465-5242	10/506,503			09/03/04; 16415/0281
09/03/04	041465-5243	10/506,527			09/03/04; 16233/0604
09/20/04	041465-5244	10/944,047			09/20/04; 15812/0565
09/14/04	041465-5245	10/939,435			09/14/04; 15795/0141
09/29/04	041465-5246	10/951,895			09/29/04; 15850/0215
10/12/04	041465-5247	10/961,141			10/12/04; 15885/0664
10/05/04	041465-5248	10/957,979			10/05/04; 15874/0974
10/13/04	041465-5249	10/962,757			12/09/04; 16061/0890
11/02/04	041465-5250	10/978,418			11/02/04; 15949/0427
11/23/04	041465-5251	10/994,653			
11/10/04	041465-5252	10/984,757			
11/23/04	041465-5253	10/995,088			
12/01/04	041465-5254	10/999,962			
02/24/05	041465-5255	10/525,527	· · · · · · · · · · · · · · · · · · ·		
01/10/05	041465-5256	10/520,665			
02/14/05	041465-5257	10/524,414			
02/25/05	041465-5258	10/525,641			
02/18/05	041465-5259	11/060,780	·		
02/25/05	041465-5260	11/066,003			
03/14/05	041465-5261	11/078,700			
03/22/05	041465-5262	11/085,130			
03/23/05	041465-5263	11/086,669			
03/29/05	041465-5264	11/091,716			

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

Assignee: PIONEER CORPORATION

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Acting on behalf of the assignee, the undersigned hereby revokes all powers of attorney previously granted in these applications and patents and appoints:

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with full power of substitution and revocation, to prosecute the applications and to transact all business in the United States Patent and Trademark Office connected with these patent applications and issued patents.

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